

ABSTRACT OF THE DISCLOSURE

Rays of light emitted from the semiconductor laser  
are converted into parallel rays of light by  
cylindrical lenses. Then, the light passed through the  
5 cylindrical lenses is caused to enter an optical fiber  
changed continuously from a specific position in the  
middle toward an incidence end part in such a manner  
that the core shape at the incidence end part becomes  
elliptic, with the cross-sectional area remaining  
10 unchanged.